

CODE ANALYSIS

APPLICABLE CODES			
	Year		Year
International Building Code	2006	National Electrical Code	2006
International Mechanical Code	2006	Uniform Code for Building Conservation	
International Plumbing Code	2006	Building Conservation	
International Fire Code	2006	ADA Accessibility Guidelines	ICC/ANSI 117.1 1998
International Energy Conservation Code	2006		

A. Occupancy and Group: EXIST. BLDG: B

Change in Use: Yes No Mixed Occupancy: Yes No

Special Use and Occupancy (e.g. High Rise, Covered Mall):

B. Seismic Design Category: Design Wind Speed: mph

C. Type of Construction (circle one):  
I A I B II A II B III B IV HT V A V B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):  
North: South: East: West:

E. Mixed Occupancies: Nonseparated Uses:

F. Sprinklers:  
Required: Provided: Type of Sprinkler System:

G. Number of Stories: 1 Building Height: 16'-6"

H. Actual Area per Floor (square feet): EXISTING: 15,000 sq. ft.

I. Tabular Area: NA

J. Area Modifications:  
a)  $A_a = A_1 + \left[ \frac{A_1 I_1}{100} \right] + \left[ \frac{A_1 I_2}{100} \right]$   $I_1 = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:  
 $\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$

c) Total Allowable Area for:  
1) One Story: 19,000 SF  
2) Two Story:  $A_a(2)$   
3) Three Story:  $A_a(3)$

d) Unlimited Area Building: Yes No Code Section:

K. Fire Resistance Rating Requirements for Building Elements (hours).  
N/A

L. Design Occupant Load: N/A  
Exit Width Required: N/A Exit Width Provided: N/A

M. Minimum Number of Required Plumbing Facilities:  
a) Water Closets - Required (m) (f) Provided (m) (f)  
b) Lavatories - Required (m) (f) Provided (m) (f)  
c) Bath Tubs or Showers:  
d) Drinking Fountains: Service Sinks:

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:  
a) High Rise Requirements.  
b) Atriums.  
c) Performance Based Criteria.  
d) Means or Egress Analysis.  
e) Fire Assembly Locator Sheet.  
f) Exterior and Interior Accessibility Route.  
g) Fire Stopping, Including Tested Design Number.

Physical Plant Building

All Roofing material manufacturers are required to meet or exceed the manufacturing UL assembly # as outlined in the Underwriters Laboratories, Inc. Roofing Materials and Systems Directory Book

STEVENS ROOFING SYSTEM, DIV OF JPS ELASTOMERICS, CORP.  
9 Sullivan Road  
Holyoke, MA 01040

UL R10325  
Class A FULLY ADHEARED Stevens "EP TPO" Single Ply membrane systems - criteria 29

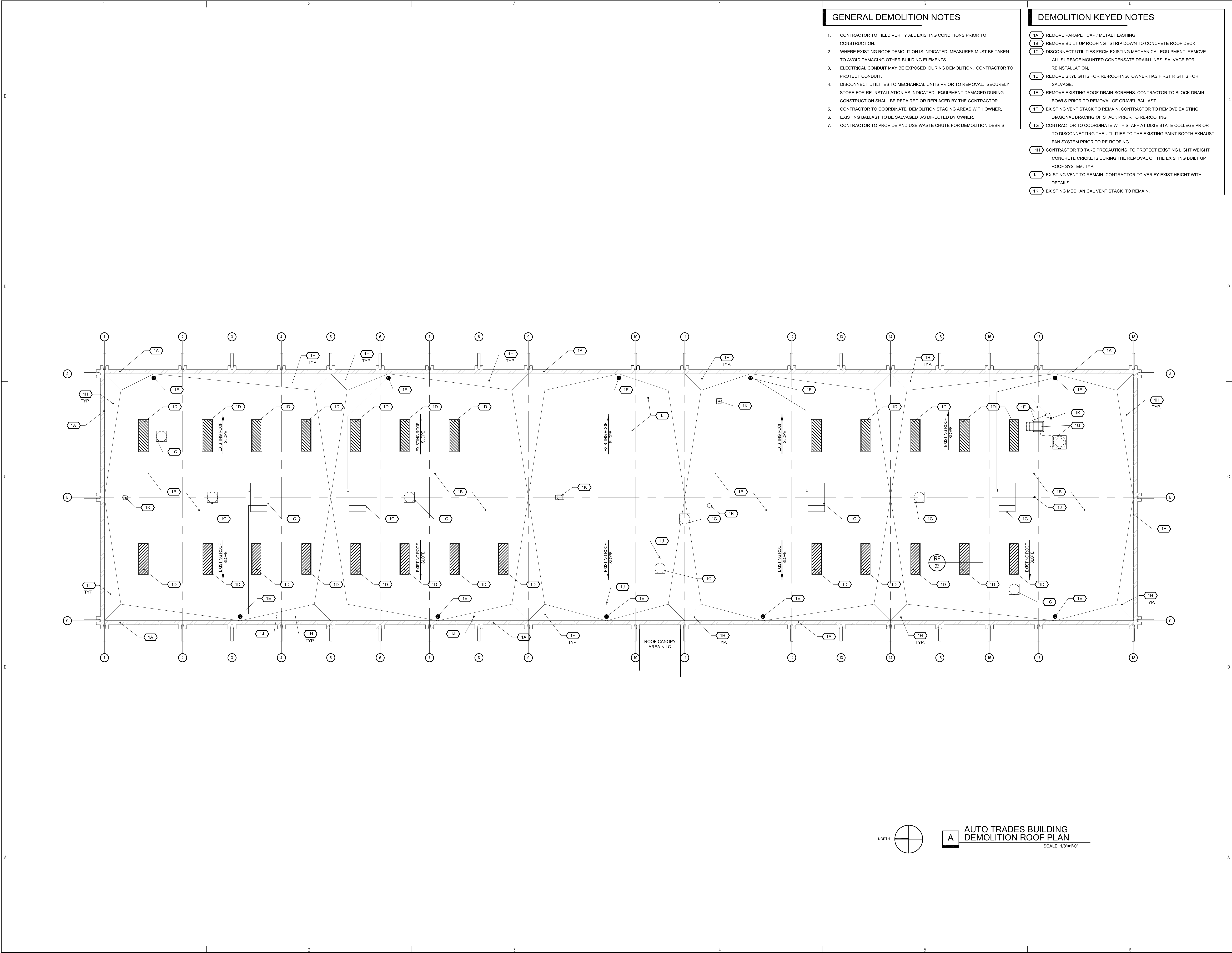
GENFLEX ROOFING SYSTEMS  
Suite A 1722 Indian Wood Circle  
Maumee, OH 43537

UL R9344  
PVC, FULLY ADHEARED PVC OR TPO

Please note: All Other manufacturers will be reviewed for approval prior to bid. All UL manufacturer assembly criteria must be provided to the architect or owner for review and approval prior to bidding.

VICINITY MAP





GENERAL DEMOLITION NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. WHERE EXISTING ROOF DEMOLITION IS INDICATED, MEASURES MUST BE TAKEN TO AVOID DAMAGING OTHER BUILDING ELEMENTS.
3. ELECTRICAL CONDUIT MAY BE EXPOSED DURING DEMOLITION. CONTRACTOR TO PROTECT CONDUIT.
4. DISCONNECT UTILITIES TO MECHANICAL UNITS PRIOR TO REMOVAL. SECURELY STORE FOR RE-INSTALLATION AS INDICATED. EQUIPMENT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
5. CONTRACTOR TO COORDINATE DEMOLITION STAGING AREAS WITH OWNER.
6. EXISTING BALLAST TO BE SALVAGED AS DIRECTED BY OWNER.
7. CONTRACTOR TO PROVIDE AND USE WASTE CHUTE FOR DEMOLITION DEBRIS.

DEMOLITION KEYED NOTES

- 1A REMOVE PARAPET CAP / METAL FLASHING
- 1B REMOVE BUILT-UP ROOFING - STRIP DOWN TO CONCRETE ROOF DECK
- 1C DISCONNECT UTILITIES FROM EXISTING MECHANICAL EQUIPMENT. REMOVE ALL SURFACE MOUNTED CONDENSATE DRAIN LINES. SALVAGE FOR RE-INSTALLATION.
- 1D REMOVE SKYLIGHTS FOR RE-ROOFING. OWNER HAS FIRST RIGHTS FOR SALVAGE.
- 1E REMOVE EXISTING ROOF DRAIN SCREENS. CONTRACTOR TO BLOCK DRAIN BOWLS PRIOR TO REMOVAL OF GRAVEL BALLAST.
- 1F EXISTING VENT STACK TO REMAIN. CONTRACTOR TO REMOVE EXISTING DIAGONAL BRACING OF STACK PRIOR TO RE-ROOFING.
- 1G CONTRACTOR TO COORDINATE WITH STAFF AT DIXIE STATE COLLEGE PRIOR TO DISCONNECTING THE UTILITIES TO THE EXISTING PAINT BOOTH EXHAUST FAN SYSTEM PRIOR TO RE-ROOFING.
- 1H CONTRACTOR TO TAKE PRECAUTIONS TO PROTECT EXISTING LIGHT WEIGHT CONCRETE CRICKETS DURING THE REMOVAL OF THE EXISTING BUILT UP ROOF SYSTEM. TYP.
- 1J EXISTING VENT TO REMAIN. CONTRACTOR TO VERIFY EXIST HEIGHT WITH DETAILS.
- 1K EXISTING MECHANICAL VENT STACK TO REMAIN.

Auto Trades Building Re-roof  
Dixie State College of Utah  
225 South 700 East - St George, Utah 84770  
Construction Documents

Revision #	Date
1	08/19/2006
2	08/22/2006
3	08/22/2006
4	08/22/2006
5	08/22/2006
6	08/22/2006
7	08/22/2006
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100	08/22/2006

DEMOLITION ROOF PLAN

